

Amendments To The Claims

1 – 41. (Previously canceled).

42. (Previously added) A method for inhibiting a humoral immune response comprising contacting T-cells with an antibody that binds specifically to a protein specifically recognized by monoclonal antibody MR1 produced by the hybridoma having ATCC Accession No. HB 11048.

43. (Amended) A method for inhibiting a humoral immune response comprising contacting T-cells with an antibody that binds specifically to CD40CR, a 39 kD protein on helper T cell membranes, which binds to CD40 B-cell antigen and stimulates B-cell cycle entry, proliferation, and differentiation.

44. (Previously added) A method for inhibiting immunoglobulin production comprising contacting T-cells with an antibody that specifically binds to a protein specifically recognized by monoclonal antibody MR1 produced by the hybridoma having ATCC Accession No. HB 11048.

45. (Amended) A method for inhibiting immunoglobulin production comprising contacting T-cells with an antibody that specifically binds to CD40CR, a 39 kD protein on helper T cell membranes, which binds to CD40 B-cell antigen and stimulates B-cell cycle entry, proliferation, and differentiation.

46. (Previously added) A method for inhibiting activation of B-cells comprising contacting T-cells with an antibody that specifically binds to a protein specifically recognized by monoclonal antibody MR1 produced by the hybridoma having ATCC Accession No. HB 11048.

47. (Amended) A method for inhibiting activation of B-cells comprising contacting T-cells with an antibody that specifically binds to CD40CR, a 39 kD protein on

helper T cell membranes, which binds to CD40 B-cell antigen and stimulates B-cell cycle entry, proliferation, and differentiation.

48. (Amended) A method for inhibiting a humoral immune response in an animal comprising the step of administering to the animal in an amount effective to inhibit the humoral immune response, an antibody ~~or fragment thereof~~ that binds specifically to a protein specifically recognized by monoclonal antibody ~~Se8~~ MR1 produced by the hybridoma having ATCC Accession No. HB 11048.

49. (Amended) A method for inhibiting a humoral immune response in an animal comprising the step of administering to the animal, in an amount effective to inhibit the humoral immune response, an antibody ~~or fragment thereof~~ that specifically recognizes CD40CR, a 39 kD protein on helper T cell membranes, which binds to CD40 B-cell antigen and stimulates B-cell cycle entry, proliferation, and differentiation.

50. (Amended) A method for inhibiting immunoglobulin production in an animal comprising the step of administering to the animal, in an amount effective to inhibit immunoglobulin production, an antibody ~~or fragment thereof~~ that specifically binds to a protein specifically recognized by the hybridoma having ATCC Accession No. HB 11048.

51. (Amended) A method for inhibiting immunoglobulin production in an animal comprising the step of administering to the animal, in an amount effective to inhibit immunoglobulin production, an antibody ~~or fragment thereof~~ that specifically recognizes CD40CR, a 39 kD protein on helper T cell membranes, which binds to CD40 B-cell antigen and stimulates B-cell cycle entry, proliferation, and differentiation.

52. (Amended) A method for inhibiting activation of B-cells in an animal comprising administering to the animal, in an amount effective to inhibit activation of B-cells, an antibody ~~or fragment thereof~~ that specifically binds to a protein specifically recognized by monoclonal antibody MR1 produced by the hybridoma having ATCC Accession No. HB 11048.

53. (Amended) A method for inhibiting activation of B-cells in an animal comprising administering to the animal, in an amount effective to inhibit activation of B-cells, an antibody ~~or fragment thereof~~ that specifically recognizes CD40CR, a 39 kD protein on helper T cell membranes, which binds to CD40 B-cell antigen and stimulates B-cell cycle entry, proliferation, and differentiation.

54. (Amended) The method of any one of Claims 42 through 53, wherein the antibody ~~or fragment thereof~~ is selected from the group consisting of monoclonal antibodies, chimeric antibodies, human antibodies, and fragments thereof that specifically bind to a protein specifically bound by the MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048.

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55. (Amended) The method of any of Claims 42 through 53, wherein the antibody ~~or fragment thereof is conjugated to another~~ further comprises a moiety selected from the group consisting of an enzyme, a toxin, a growth factor, a lymphokine, an anti-proliferative agent, an alkylating agent, an anti-metabolite, an antibiotic, a vinca alkaloid, a platinum coordinated complex, a radioisotope, and a fluorescent compound, wherein the moiety is conjugated to the antibody.

56. (Amended) The method of any one of Claims 42 through 53, wherein the antibody ~~is conjugated to~~ further comprises a therapeutic agent, wherein the therapeutic agent is conjugated to the antibody.

57. (Previously added) The method of any of Claims 48 through 53, wherein the animal is a mammal.

58. (Previously added) The method of any of Claims 48 through 53, wherein the animal is a human.

59. (New) A method for inhibiting a humoral immune response comprising contacting T-cells with a composition comprising monoclonal antibody MR1 produced by the

hybridoma having ATCC Accession No. HB 11048, and fragments thereof that specifically bind to a protein specifically bound by the MR1 antibody.

60. (New) A method for inhibiting immunoglobulin production comprising contacting T-cells with a composition comprising monoclonal antibody MR1 produced by the hybridoma having ATCC Accession No. HB 11048, and fragments thereof that specifically bind to a protein specifically bound by the MR1 antibody.

61. (New) A method for inhibiting activation of B-cells comprising contacting T-cells with a composition comprising monoclonal antibody MR1 produced by the hybridoma having ATCC Accession No. HB 11048, and fragments thereof that specifically bind to a protein specifically bound by the MR1 antibody.

62. (New) A method for inhibiting a humoral immune response in an animal comprising the step of administering to the animal in an amount effective to inhibit the humoral immune response, a composition comprising monoclonal antibody MR1 produced by the hybridoma having ATCC Accession No. HB 11048, and fragments thereof that specifically bind to a protein specifically bound by the MR1 antibody.

63. (New) A method for inhibiting immunoglobulin production in an animal comprising the step of administering to the animal, in an amount effective to inhibit immunoglobulin production, a composition comprising monoclonal antibody MR1 produced by the hybridoma having ATCC Accession No. HB 11048, and fragments thereof that specifically bind to a protein specifically bound by the MR1 antibody.

64. (New) A method for inhibiting activation of B-cells in an animal comprising administering to the animal, in an amount effective to inhibit activation of B-cells, a composition comprising monoclonal antibody MR1 produced by the hybridoma having ATCC Accession No. HB 11048, and fragments thereof that specifically bind to a protein specifically bound by the MR1 antibody.

65. (New) A method for inhibiting a humoral immune response comprising contacting T-cells with a human antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

66. (New) A method for inhibiting immunoglobulin production comprising contacting T-cells with a human antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

67. (New) A method for inhibiting activation of B-cells comprising contacting T-cells with a human antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

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68. (New) A method for inhibiting a humoral immune response in an animal comprising the step of administering to the animal in an amount effective to inhibit the humoral immune response, a composition comprising a human antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

69. (New) A method for inhibiting immunoglobulin production in an animal comprising the step of administering to the animal, in an amount effective to inhibit immunoglobulin production, a composition comprising a human antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

70. (New) A method for inhibiting activation of B-cells in an animal comprising administering to the animal, in an amount effective to inhibit activation of B-cells, a composition comprising a human antibody comprising a binding fragment of monoclonal

MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

71. (New) A method for inhibiting a humoral immune response comprising contacting T-cells with a chimeric antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

72. (New) A method for inhibiting immunoglobulin production comprising contacting T-cells with a chimeric antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

73. (New) A method for inhibiting activation of B-cells comprising contacting T-cells with a chimeric antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

74. (New) A method for inhibiting a humoral immune response in an animal comprising the step of administering to the animal in an amount effective to inhibit the humoral immune response, a composition comprising a human antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

75. (New) A method for inhibiting immunoglobulin production in an animal comprising the step of administering to the animal, in an amount effective to inhibit immunoglobulin production, a composition comprising a chimeric antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

76. (New) A method for inhibiting activation of B-cells in an animal comprising administering to the animal, in an amount effective to inhibit activation of B-cells, a composition comprising a chimeric antibody comprising a binding fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048, wherein the binding fragment specifically binds to a protein specifically bound by the MR1 antibody.

77. (New) A method for inhibiting a humoral immune response comprising contacting T-cells with an F(ab')2 fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048.

78. (New) A method for inhibiting immunoglobulin production comprising contacting T-cells with an F(ab')2 fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048.

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79. (New) A method for inhibiting activation of B-cells comprising contacting T-cells with a chimeric antibody comprising an F(ab')2 fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048.

80. (New) A method for inhibiting a humoral immune response in an animal comprising the step of administering to the animal in an amount effective to inhibit the humoral immune response, a composition comprising an F(ab')2 fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048.

81. (New) A method for inhibiting immunoglobulin production in an animal comprising the step of administering to the animal, in an amount effective to inhibit immunoglobulin production, a composition comprising an F(ab')2 fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048.

82. (New) A method for inhibiting activation of B-cells in an animal comprising administering to the animal, in an amount effective to inhibit activation of B-cells, a composition comprising an F(ab')2 fragment of monoclonal MR1 antibody produced by the hybridoma having ATCC Accession No. HB 11048.